BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: 1

Item Name: KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (P-6, I. No.2.3)

CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
For Ground Leveling							
		1	29.40	22.50	0.40	264.60	
		1	11.00	4.00	0.40	17.60	
				Total Qty Work Down		282.20	CUM
				Qty payable in this Bill		275.00	CUM

Kiran .R
Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

13/9/21

13/9/21
Assistant Engineer
Ward No-16
BBMP

13/09/2021
Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: 2

Item Name: KSRB 2-2.1 :Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.as per specifications. 2.3 KSRB 2-2.1: - do - in ordinary soil. No. KBS 2.1(a) / 2.3.5 (Page - 5/ Item no.2.3)

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Foundation For Fencing						
East side						
outer side	1	29.40	1.00	1.00	29.40	
in side	1	28.00	1.00	1.00	28.00	
West Side						
	1	11.10	1.00	1.00	11.10	
North Side						
	1	18.40	1.00	1.00	18.40	
	1	3.40	1.00	1.00	3.40	
	1	5.50	1.00	1.00	5.50	
	1	3.90	1.00	1.00	3.90	
South Side						
	1	22.40	1.00	1.00	22.40	
	1	2.60	1.00	1.00	2.60	
	1	4.70	1.00	1.00	4.70	
For Columns						
Columns inside	18	1.20	1.20	1.50	38.88	
Columns outside	20	1.20	1.20	1.50	43.20	

Scanned with CamScanner

Deduction of Columns							
		-18	1.20	1.20	1.00	-25.92	
		-20	1.20	1.20	1.00	-28.80	
					Total Qty Work Down	156.76	Cum
					Qty payable in this Bill	153.36	Cum

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

13/9/21

Contractor Representative

Consultant Representative

13/9/2021

Assistant Engineer
Ward No-16
BBMP

13/09/2021

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: 3

Item Name: KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 13/I.No. 4.2 (2018-19)

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Foundation For Fencing						
	East side						
	outer side	1	29.40	1.00	0.15	4.41	
	in side	1	28.00	1.00	0.15	4.20	
	West Side						
		1	11.10	1.00	0.15	1.67	
	North Side						
		1	18.40	1.00	0.15	2.76	
		1	3.40	1.00	0.15	0.51	
		1	5.50	1.00	0.15	0.83	
		1	3.90	1.00	0.15	0.59	
	South Side						
		1	22.40	1.00	0.15	3.36	
		1	2.60	1.00	0.15	0.39	
		1	4.70	1.00	0.15	0.71	
	For Columns						
	Columns inside	18	1.20	1.20	0.15	3.89	
	Columns outside	20	1.20	1.20	0.15	4.32	

Scanned with CamScanner

	Deduction of						
		-18	1.20	1.00	0.15	-3.24	
		-20	1.20	1.00	0.15	-3.60	
	Drain						
		1	30.00	1.00	0.15	4.50	
					Total Qty Work Down	25.28	Cum
					Qty payable in this Bill	24.768	cum

Kiran.R
Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

13/9/24
Consultant Representative

13/9/2024
Assistant Engineer
Ward No-16
BBMP

13/09/2024
Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: 4

Item Name: KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 P.No. 25

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Foundation For Fencing(ssm)						
East side						
outer side	1	29.40	0.80	0.60	14.11	
in side	1	28.00	0.80	0.60	13.44	
West Side						
	1	11.10	0.80	0.60	5.33	
North Side						
	1	18.40	0.80	0.60	8.83	
	1	3.40	0.80	0.60	1.63	
	1	5.50	0.80	0.60	2.64	
	1	3.90	0.80	0.60	1.87	
South Side						
	1	22.40	0.80	0.60	10.75	
	1	2.60	0.80	0.60	1.25	
	1	4.70	0.80	0.60	2.26	
Deduction of Columns						
	-18	1.20	0.80	0.60	-10.37	
	-20	1.20	0.80	0.60	-11.52	
Total Qty Work Down					**40.22**	**Cum**
Qty payable in this Bill					**38.59**	**Cum**

Kiran. R
Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

13/9/22
Consultant Representative

13/9/22
Assistant Engineer
Ward No-16
BBMP

13/09/2022
Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

AME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

n No: 5

em / ame: KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 P.No. 25

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Basement (ssm)						
East side						
outer side	1	29.40	0.45	0.40	5.29	
in side	1	28.00	0.45	0.40	5.04	
West Side						
	1	11.10	0.45	0.40	2.00	
North Side						
	1	18.40	0.45	0.40	3.31	
	1	3.40	0.45	0.40	0.61	
	1	5.50	0.45	0.40	0.99	
	1	3.90	0.45	0.40	0.70	
South Side						
	1	22.40	0.45	0.40	4.03	
	1	2.60	0.45	0.40	0.47	
	1	4.70	0.45	0.40	0.85	
Deduction of Columns						
	-18	1.20	0.45	0.40	-3.89	
	-20	1.20	0.45	0.40	-4.32	
				Total Qty Work Down	**15.08**	**Cum**
				Qty payable in this Bill	**14.47**	**Cum**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

13/9/21

Consultant Representative

Assistant Engineer
Ward No-16
BBMP

13/9/2021

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: 6

Item Name: KSRB 4-1.6 :Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM, curing complete as per specifications. Specification No. KBS 4.1, 4.2 P.No. 13

CHAINAGE Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Coping						
East side						
outer side	1	29.40	0.20	0.15	0.88	
in side	1	28.00	0.20	0.15	0.84	
West Side						
	1	11.10	0.20	0.15	0.33	
North Side						
	1	18.40	0.20	0.15	0.55	
	1	3.40	0.20	0.15	0.10	
	1	5.50	0.20	0.15	0.17	
	1	3.90	0.20	0.15	0.12	
South Side						
	1	22.40	0.20	0.15	0.67	
	1	2.60	0.20	0.15	0.08	
	1	4.70	0.20	0.15	0.14	
				Total Qty Work Down	3.88	Cum
				Qty payable in this Bill	3.78	Cum

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative 30/9/21

Assistant Engineer
Ward No-16
BBMP
30/9/2021

Asst. Executive Engineer
Yeshwanthapura Sub Division
BBMP
1.0/09/2021

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

m No: **EX-1**

tem ame: KSRB 5.14.1 : Providing and constructing load bearing wall with concrete solid blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1): 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, Scaffolding, Curing, hire charges of machineries etc., complete as per specification. KBS No.5.4-do with solid concrete blocks of size 400*150*200 mm (P-27/5.27.2) PWD SR 2018-19

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Solid Blocks						
East side						
outer side	1	29.40		1.40	41.16	
West Side						
	1	11.10		1.70	18.87	
North Side						
	1	3.40		1.40	4.76	
	1	5.50		2.10	11.55	
	1	3.90		2.00	7.80	
South Side						
	1	22.40		3.20	71.68	
	1	2.60		2.60	6.76	
	1	4.70		1.90	8.93	
Foe Sitting Area						
	3	0.60		0.60	1.08	
	3	0.60		1.20	2.16	
	3	0.60		1.80	3.24	
				Total Qty Work Down	**177.99**	**Sqm**
				Qty payable in this Bill	**177.00**	**Sqm**

Kiran .R
Contractor Representative

CIVIL QUANTITY CONSULTANTS & ENGINEERS Bangalore

30/9/21
Consultant Representative

30/9/2021
Assistant Engineer
Ward No-16
BBMP

30/09/2021
Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: **EX-2**

Item Name: KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (page no-116 item no-15.17)

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Solid Blocks						
East side						
outer side	2	29.40		1.40	82.32	
West Side						
	2	11.10		1.70	37.74	
North Side						
	2	3.40		1.40	9.52	
	2	5.50		2.10	23.10	
	2	3.90		2.00	15.60	
South Side						
	2	22.40		3.20	143.36	
	2	2.60		2.60	13.52	
	2	4.70		1.90	17.86	
Foe Sitting Area						
	2	0.60		0.60	0.72	
	2	0.60		1.20	1.44	
	2	0.60		1.80	2.16	
Back Side	1	8.50		1.80	15.30	
				Total Qty Work Down	**362.64**	**Sqm**
				Qty payable in this Bill	**336.00**	**Sqm**

Kiran R
Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

04/10/24
Consultant Representative

04/10/2024
Assistant Engineer
Ward No-16
BBMP

04/10/2024
Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: **EX-3**

Item Name: KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 4.31 pg 16

	CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Shuttering For Columns							
			6	1.20		5.00	36.00	
			12	1.20		3.20	46.08	
			20	1.20		1.50	36.00	
						Total Qty Work Down	**118.08**	**Sqm**
						Qty payable in this Bill	**118.08**	**Sqm**

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

12/10/21

Contractor Representative

Consultant Representative

12/10/2021

Assistant Engineer
Ward No-16
BBMP

12/10/2021

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

AME OF THE WORK: Construction of basketball Court and Alide Park evelopments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

em No: **EX-4**

Item Name: KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 4.32 pg 16

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Plinth Beam Shuttering						
East side						
outer side	2	29.40		0.45	26.46	
in side	2	28.00		0.45	25.20	
West Side						
	2	11.10		0.45	9.99	
North Side						
	2	18.40		0.45	16.56	
	2	3.40		0.45	3.06	
	2	5.50		0.45	4.95	
	2	3.90		0.45	3.51	
South Side						
	2	22.40		0.45	20.16	
	2	2.60		0.45	2.34	
	2	4.70		0.45	4.23	
				Total Qty Work Down	**116.46**	**Sqm**
				Qty payable in this Bill	**113.40**	**Sqm**

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

12/10/21

Contractor Representative

Consultant Representative

12/10/2021

Assistant Engineer
Ward No-16
BBMP

12/10/2021

Asst Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No:	EX-6						
Item Name:	KSRRB 300-3. Earthwork excavation by manual means in hard soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 143/ Item No. 19.2/ PWD SR 2018-19						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	Drain						
		1	30.00	1.20	1.00	36.00	
					Total Qty Work Down	**36.00**	**Cum**
					Qty payable in this Bill	**36.00**	**Cum**

Kiran .R
Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore CIVIL

18/9/21
Consultant Representative

18/9/2021
Assistant Engineer
Ward No-16
BBMP

18/9/2021
Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: **EX-7**

Item Name: Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. do- Wall & bottom thickness 15cm (P-270/37.59.2) PWD SR 2018-19

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Raft						
Drain Around Basketball Court						
	1	30.00	1.10	0.15	4.95	
Wall						
	2	30.00	0.15	1.20	10.80	
				Total Qty Work Down	**15.75**	**Cum**
				Qty payable in this Bill	**15.75**	**Cum**

Kiran.R
Contractor Representative

QUALITY CONSULTANTS & ENGINEERS CIVIL Bangalore

Consultant Representative

22/9/24

22/9/2024

Assistant Engineer
Ward No-16
BBMP

28/09/2024

Asst. Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: **EX-8**

Item Name: Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.90 x 0.60 x 0.10) (Approved Data rate)

	CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Raft							
	Drain Around Basketball Court							
			1	30.00		1.20	36.00	
			Total Qty Work Down				36.00	Sqm
			Qty payable in this Bill				36.00	Sqm

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

30/11/21

Contractor Representative

Consultant Representative

30/11/2021

Assistant Engineer
Ward No-16
BBMP

30/11/2021

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: **EX-9**

Item Name: KSRRB M300-4.Maintenance of lawns or Turfing of slopes (rough grassing) Sqm for a period of one year including watering etc complete as per specifications. MORTH Specification No. 307

	CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
	rough Grassing		1	9.00	1.50		13.50	
						Total Qty Work Down	13.50	Sqm
						Qty payable in this Bill	13.50	Sqm

30/11/21

K. Kiran R
Contractor Representative

QUALITY CONSULTANTS & ENGINEERS CIVIL Bangalore
Consultant Representative

30/11/2021
Assistant Engineer
Ward No-16
BBMP

30/11/2021
Asst. Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: 7

Item Name: KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. P.No. 115

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Foundation						
East side						
outer side	2	29.40		0.90	52.92	
West Side						
	2	11.10		0.90	19.98	
North Side						
	2	18.40		0.90	33.12	
	2	3.40		0.90	6.12	
	2	5.50		0.90	9.90	
	2	3.90		0.90	7.02	
South Side						
	2	22.40		0.90	40.32	
	2	2.60		0.90	4.68	
	2	4.70		0.90	8.46	
Total Qty Work Down					**182.52**	**Sqm**
Qty payable in this Bill					**133.20**	**Sqm**

QUALITY CONSULTANTS & ENGINEERS Bangalore

30/11/21

Kiran .R
Contractor Representative

Consultant Representative

30/11/2021
Assistant Engineer
Ward No-16
BBMP

3.11.2021
Asst.Executive Engineer
Vishweshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No:	11
Item Name:	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. (Page No- 45).I.No7.37

CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
Gate							
		1	3.50		1.80	6.30	
				Total Qty Work Down		6.30	Sqm
				Qty payable in this Bill		3.60	Sqm

30/11/21

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-16
BBMP

30/11/2021

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: **EX-10**

Item Name: Fabrication supplying and erecting M.S. tubular trusses of all spans as Kg per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification Page No. 43 I.No. 7.29

	Fencing at North Side	**kg**	**nos**			**Kg**	**REMARKS**
	Vertical Pipe(72x72x6)		**9**			**71.7**	645.30
	Horizontal Pipe(72x72x6)		**24**			**71.7**	1720.80
	Vertical Stiffner pipe(72x72x6)		**16**			**71.7**	1147.20
	Base plate 16mm(200x200)		**9**			**11.5**	103.50
	fencing at West Side						
	Vertical Pipe(72x72x6)		**9**			**71.9**	647.10
	Horizontal Pipe(72x72x6)		**27**			**71.9**	1941.30
	Vertical Stiffner pipe(72x72x6)		**16**			**71.9**	1150.40
	Base plate 16mm(200x200)		**9**			**11.5**	103.50
	fencing at South Side						
	Vertical Pipe(72x72x6)		**12**			**71.9**	862.80
	Horizontal Pipe(72x72x6)		**36**			**71.9**	2588.40
	Vertical Stiffner pipe(72x72x6)		**24**			**71.9**	1725.60
	Base plate 16mm(200x200)		**10**			**11.5**	115.00
	fencing at East Side						
	Vertical Pipe(72x72x6)		**9**			**91.3**	821.70
	Horizontal Pipe(72x72x6)		**27**			**71.9**	1941.30
	Vertical Stiffner pipe(72x72x6)		**16**			**71.9**	1150.40
	Base plate 16mm(200x200)		**9**			**11.5**	103.50

Checked
EE (RRND)

Scanned with CamScanner

	Light Structure(150x150x8)			16			254.1	4065.60
	Base plate For Light Column(350x350x12)			12			30.0	360.00
	Base plate For Basket Ball Poles(350x350x25)			2			35.0	70.00
	Strips Details							
	40*10	400						
	40*10	400						4000.00
			Total Qty Work Down				kgs	21663.40
			Qty payable in this Bill				kgs	21663.31

Checked by

Kiran R
Contractor Representative

CONSULTANTS & ENGINEERS CIVIL QUALITY Bangalore

24/12/24
Consultant Representative

24/12/2024
Assistant Engineer
Ward No-16
BBMP

24/12/2024
Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No:	12	
Item Name:	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications. .KPWD S.R 2018-19 Page No. 266 I.No. 37.3	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Foundation For Fencing						
	East side						
	outer side	1	29.40		6.00	176.40	
	West Side						
		1	11.10		6.00	66.60	
	North Side						
		1	18.40		6.00	110.40	
		1	3.40		6.00	20.40	
		1	5.50		6.00	33.00	
		1	3.90		6.00	23.40	
	South Side						
		1	22.40		3.60	80.64	
		1	2.60		3.60	9.36	
		1	4.70		3.60	16.92	
	Deduction of Gate	-1	3.60		1.80	-6.48	
					Total Qty Work Down	**530.64**	**Sqm**
					Qty payable in this Bill	**530.40**	**Sqm**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

24/12/24

Assistant Engineer
Ward No-16
BBMP

24/12/2024

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No:	13
Item Name:	KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301(pg no-143,S.Lno-19.14)KPWD S.R 2018-19

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Inside Basketball Court						
	1	23.40	18.10	0.45	190.59	
	1	16.80	2.60	0.45	19.66	
Entrance	1	5.30	3.60	0.45	8.59	
Near Entrance	1	6.40	2.80	0.45	8.06	
	1	7.00		0.45	3.15	
Sitting Area	1	8.50	1.30	0.45	4.97	
			Total Qty Work Down		235.02	Cum
			Qty payable in this Bill		218.40	Cum

Contractor Representative

Consultant Representative

24/12/21

Assistant Engineer
Ward No-16
BBMP

24/12/2021

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: 14

Item Name: Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (pg no-153,S.Lno-20.5)KPWD S.R 2018-19

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Inside Basketball Court						
	1	23.40	18.10	0.30	127.06	
	1	16.80	2.60	0.30	13.10	
Entrance	1	5.30	3.60	0.40	7.63	
Near Entrance	1	6.40	2.80	0.40	7.17	
	1	7.00		0.40	2.80	
Sitting Area	1	8.50	1.30	0.40	4.42	
				Total Qty Work Down	162.19	Cum
				Qty payable in this Bill	162.00	Cum

Kiran R
Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore
Consultant Representative

30/12/21

Assistant Engineer
Ward No-16
BBMP

30/12/2021

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: 15

Item Name: KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5-do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. (P.No.174, I.No. 22.1.2 of PWD SR 2018-19)

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Inside Basketball Court						
	1	23.40	18.10	0.15	63.53	
	1	16.80	2.60	0.15	6.55	
Entrance	1	5.30	3.60	0.23	4.39	
Near Entrance	1	6.40	2.80	0.23	4.12	
	1	7.00		0.23	1.61	
Sitting Area	1	8.50	1.30	0.23	2.54	
				Total Qty Work Down	82.74	cum
				Qty payable in this Bill	82.20	cum

30/12/21

Kiran R
Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Construction of basketball Court and Alide Park developments in Sharadamda Nagar in ward no 16

Measurement Sheet

First and Final Bill

Item No: 16

Item Name: Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications.do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. (P.No.175, I.No. 22.6.1 of PWD SR 2018-19)

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Inside Basketball Court						
	1	23.40	18.10	0.20	84.71	
	1	16.80	2.60	0.20	8.74	
Entrance	1	5.30	3.60	0.20	3.82	
Near Entrance	1	6.40	2.80	0.20	3.58	
	1	7.00		0.20	1.40	
Sitting Area	1	8.70	1.20	0.20	2.09	
For Light Poles	16	0.50	0.50	0.30	1.20	
For ColumnsFooting						
	6	1.20	1.00	0.50	3.60	
	12	1.20	1.00	0.50	7.20	
	20	1.20	1.00	0.50	12.00	
For Columns						
	6	0.45	0.15	5.00	2.03	
	12	0.45	0.15	3.20	2.59	
	20	0.45	0.15	1.50	2.03	
For Plinth Beam						
East side						
outer side	1	29.40	0.30	0.45	3.97	
in side	1	28.00	0.30	0.45	3.78	
West Side						
	1	11.10	0.30	0.45	1.50	
North Side						

Scanned with CamScanner

			1	18.40	0.30	0.45	2.48
			1	3.40	0.30	0.45	0.46
			1	5.50	0.30	0.45	0.74
		South Side	1	3.90	0.30	0.45	0.53
			1	22.40	0.30	0.45	3.02
			1	2.60	0.30	0.45	0.35
			1	4.70	0.30	0.45	0.63
						Total Qty	152.44
						Upto 125%	118.88 cum
						Above 125%	32.977 cum

Kiran R
Contractor Representative

QUALITY CONSULTANTS & ENGINEERS
CIVIL

Consultant Representative

14/01/22

14/01/2022
Assistant Engineer
Ward No-16
BBMP

14/01/2022
Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Scanned with CamScanner